

FIG.1

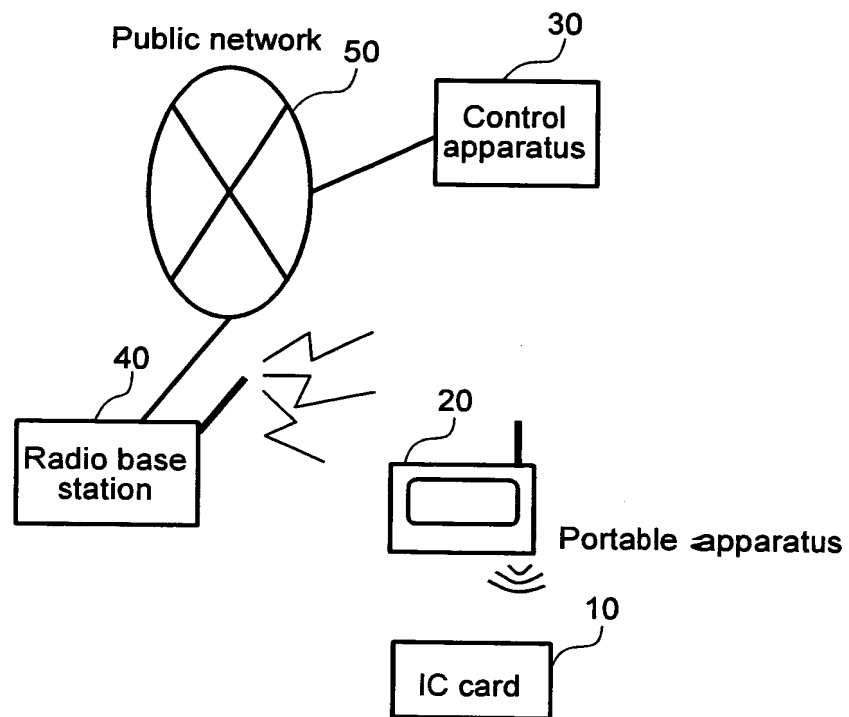
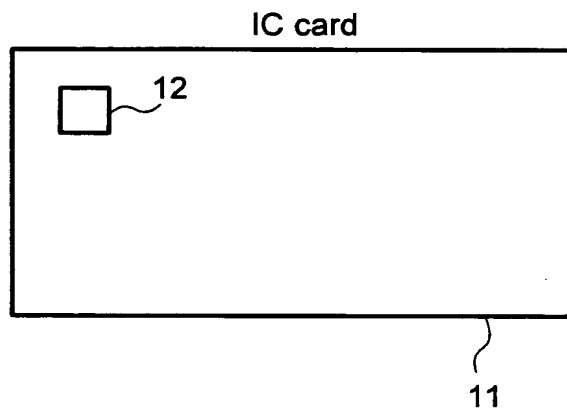


FIG.2

(a)



(b)

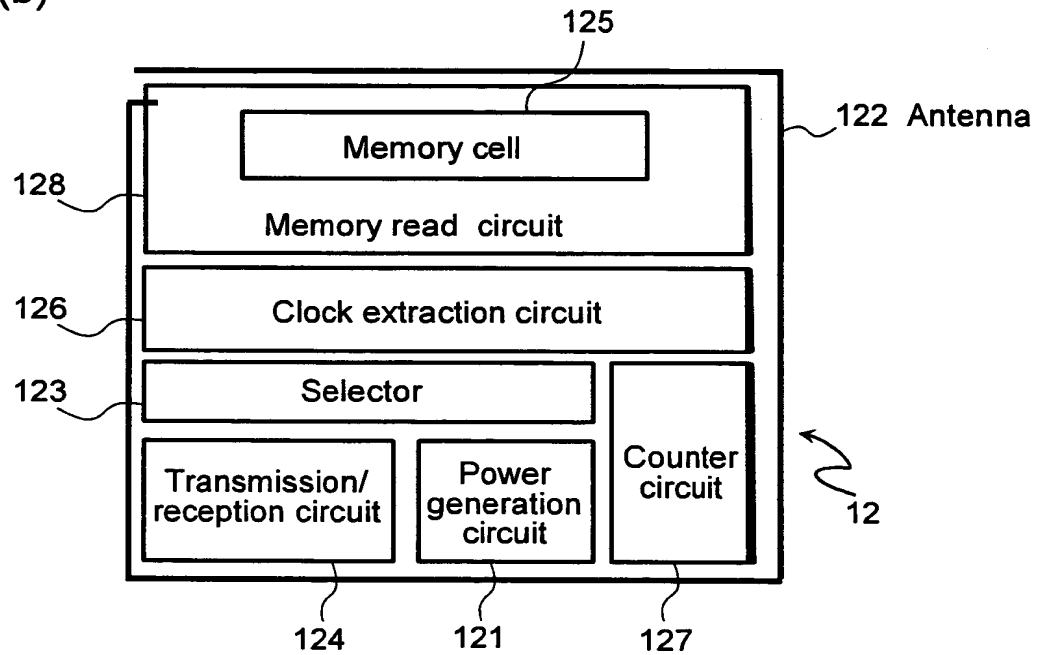


FIG.3

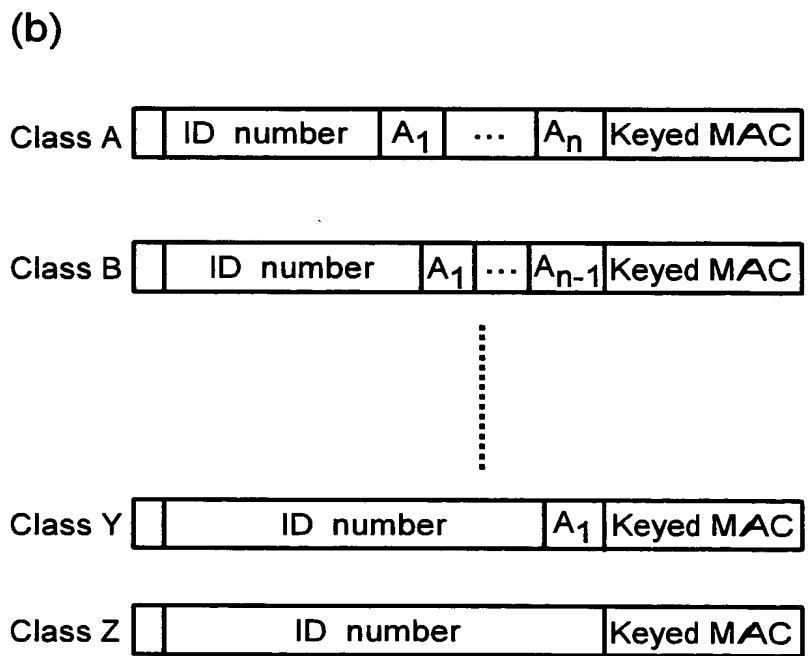
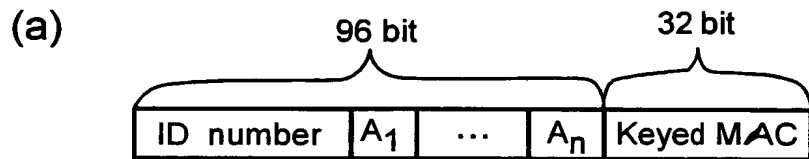


FIG.4

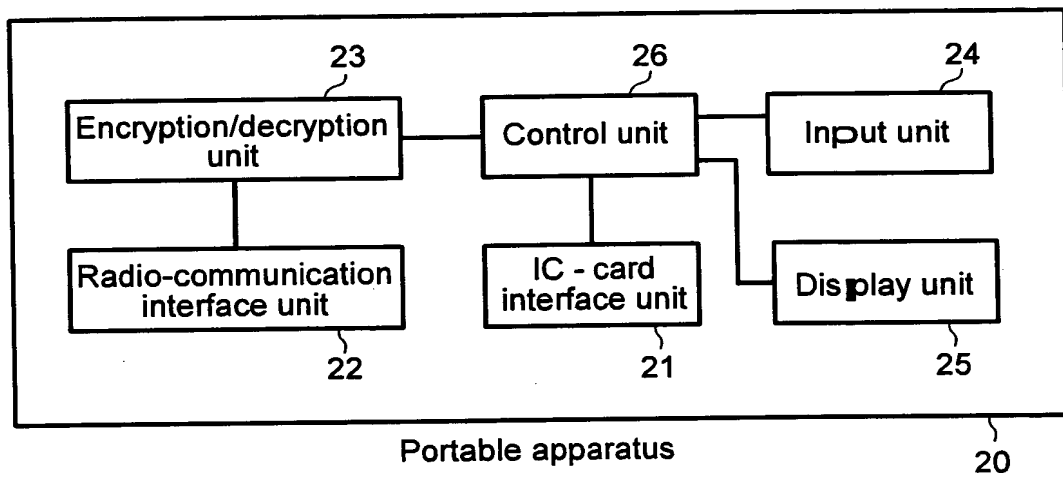


FIG.5

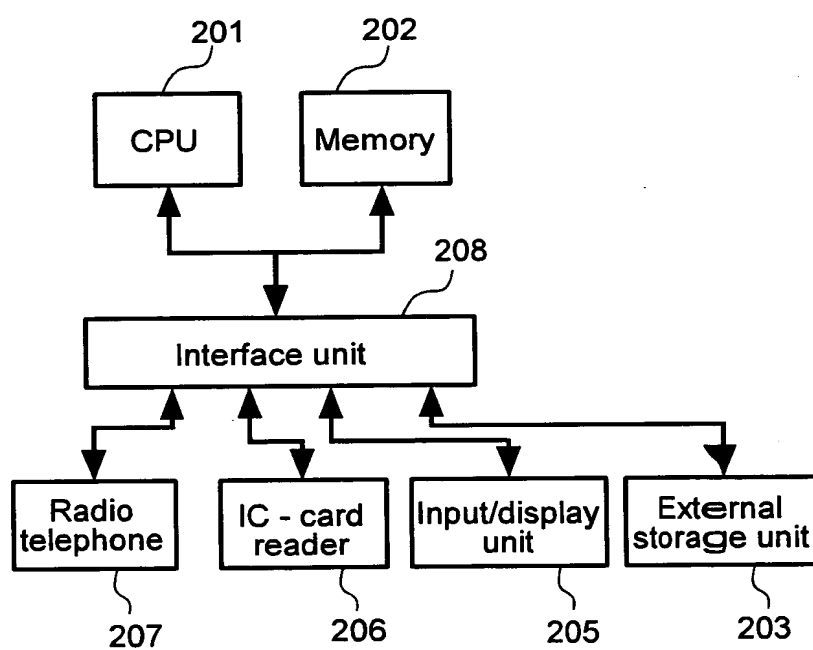


FIG.6

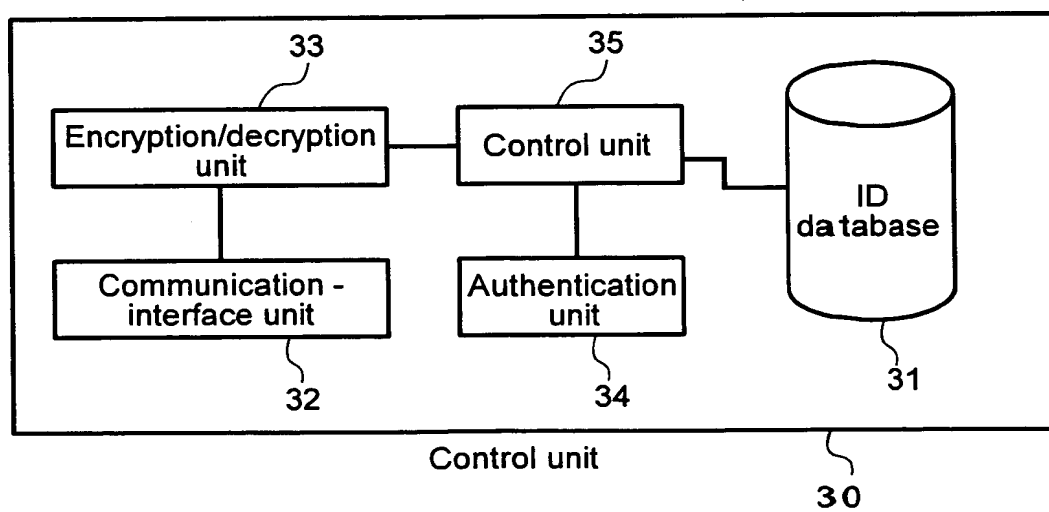


FIG.7

(a)

| Attributes | | | ID number | Cataloged information |
|------------|-----|-------|-----------|-----------------------|
| A_1 | ... | A_n | | |
| ** | ... | ** | ***** | ***** |
| ** | ... | ** | ***** | ***** |
| ** | ... | ** | ***** | ***** |
| ** | ... | ** | ***** | ***** |
| ** | ... | ** | ***** | ***** |
| ⋮ | ⋮ | ⋮ | ⋮ | ⋮ |

(b)

Class A

| Attributes | | | ID number | Cataloged information |
|------------|-----|-------|-----------|-----------------------|
| A_1 | ... | A_n | | |
| ** | ... | ** | ***** | ***** |
| ** | ... | ** | ***** | ***** |
| | | | | |

Class B

| Attributes | | | ID number | Cataloged in formation |
|------------|-----|-----------|-----------|------------------------|
| A_1 | ... | A_{n-1} | | |
| ** | ... | ** | ***** | ***** |
| ** | ... | ** | ***** | ***** |
| | | | | |

⋮

FIG.8

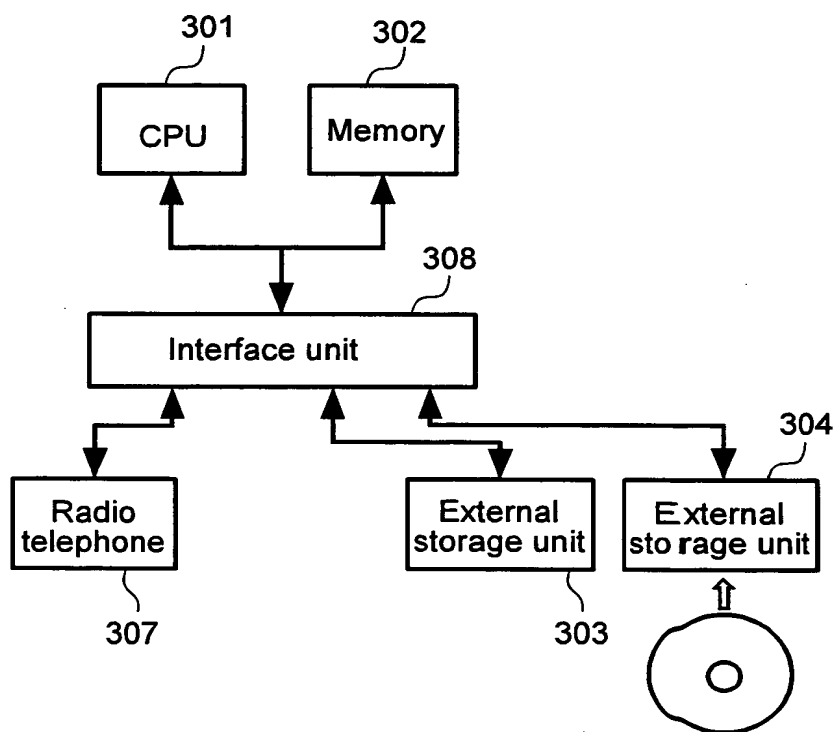


FIG.9

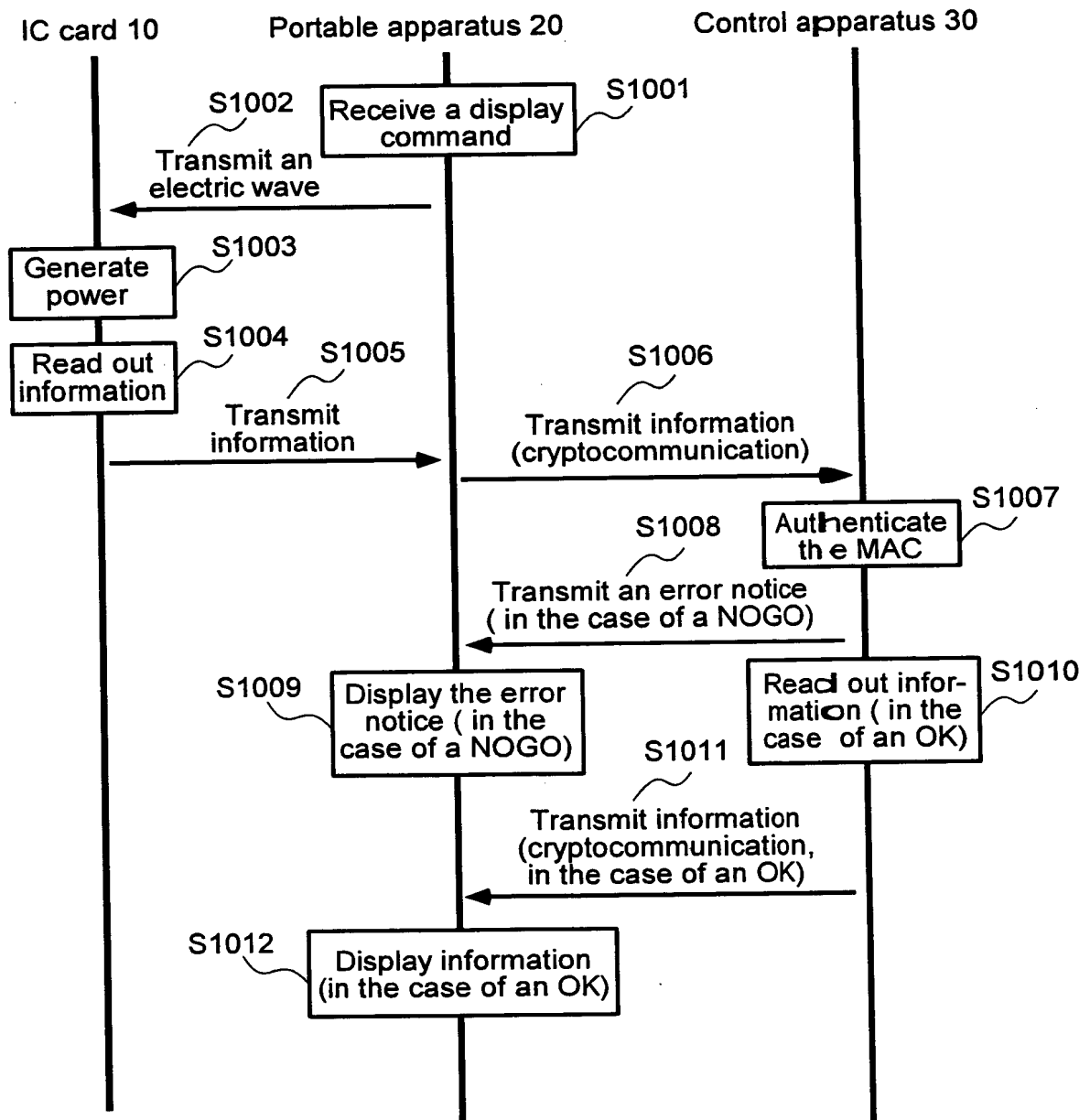


FIG.10

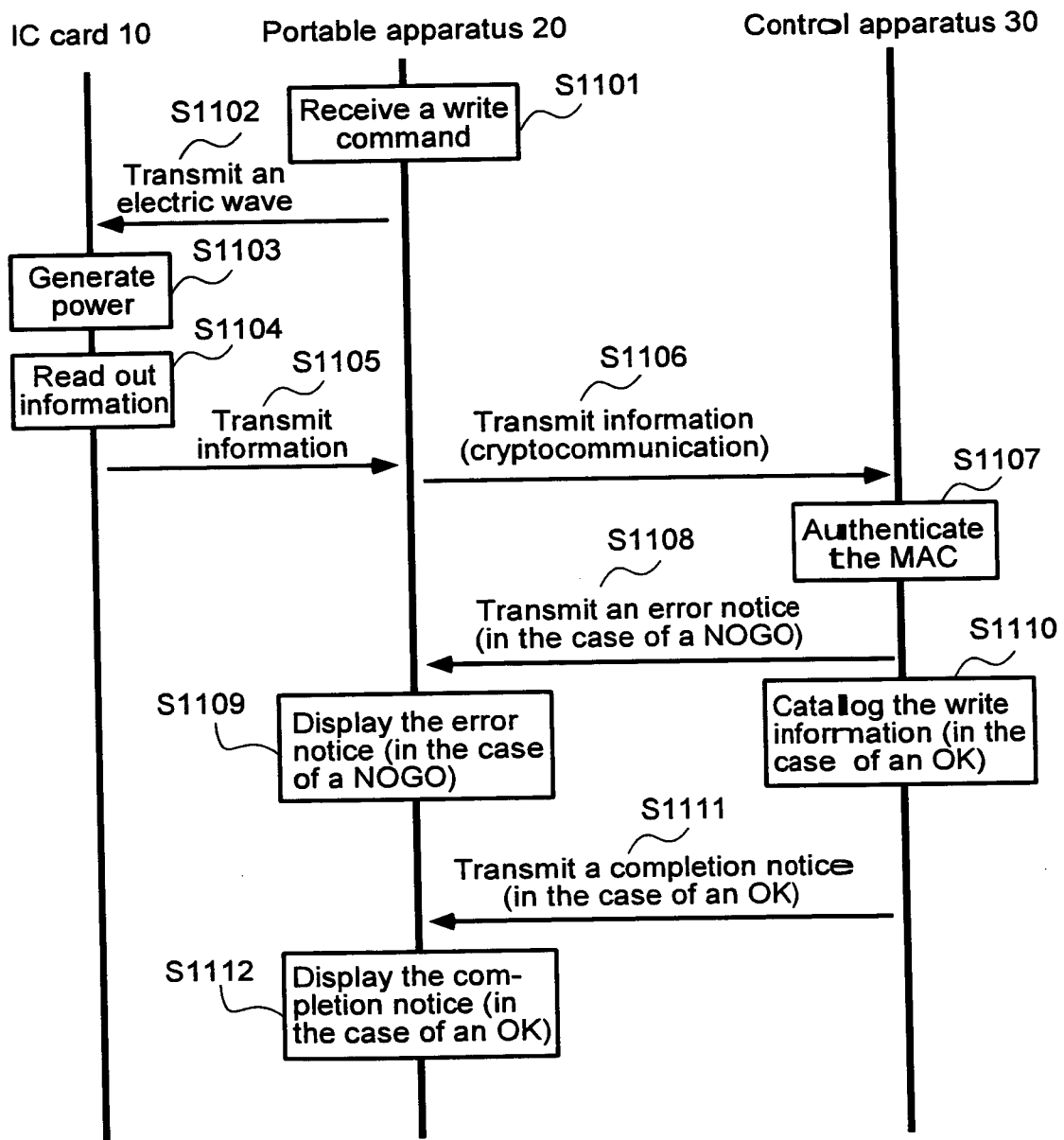


FIG.11

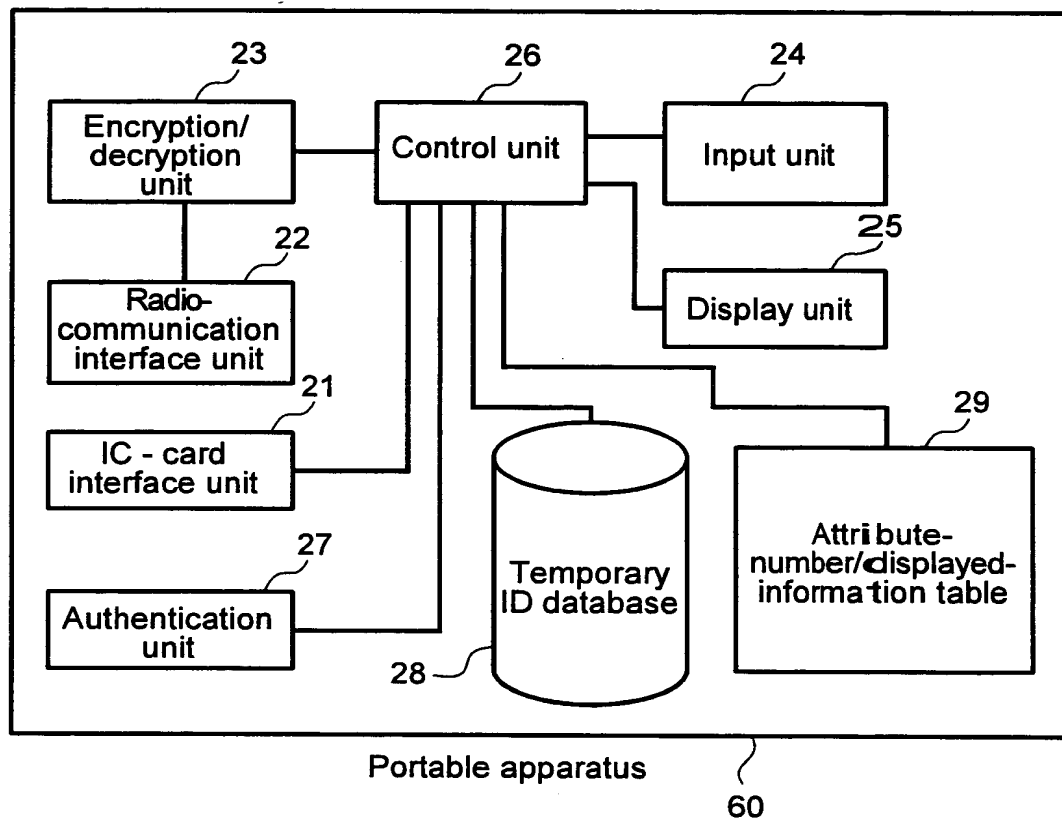


FIG.12

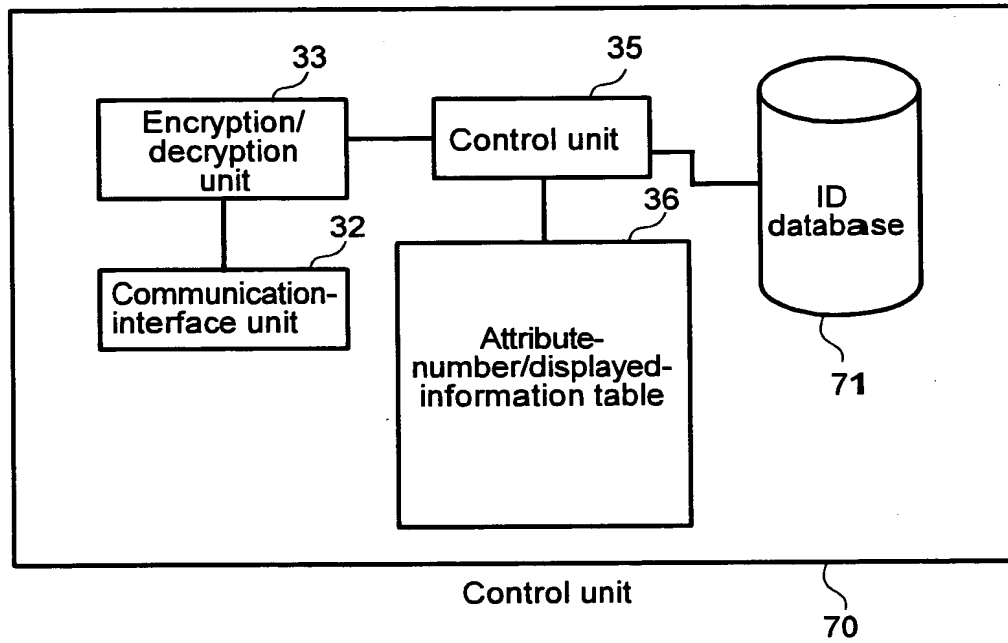


FIG.13

| Attributes | | | ID number | User ID number | Cataloged information |
|----------------|-----|----------------|-----------|----------------|-----------------------|
| A ₁ | ... | A _n | | | |
| ** | ... | ** | ***** | ***** | ***** |
| ** | ... | ** | ***** | ***** | ***** |
| ** | ... | ** | ***** | | ***** |
| ** | ... | ** | ***** | ***** | ***** |
| ** | ... | ** | ***** | | ***** |
| ⋮ | ⋮ | ⋮ | ⋮ | ⋮ | ⋮ |

FIG.14

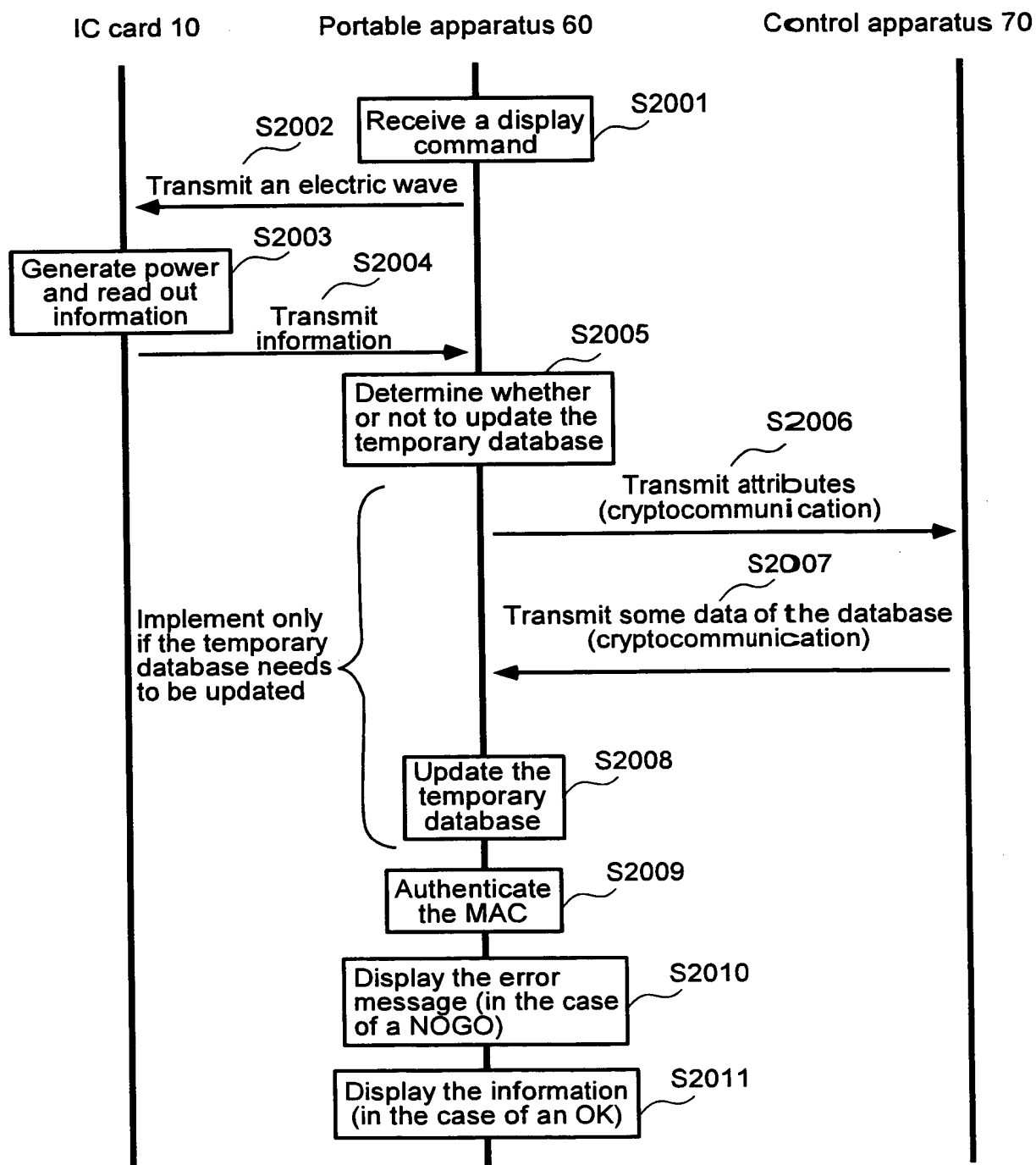


FIG.15

